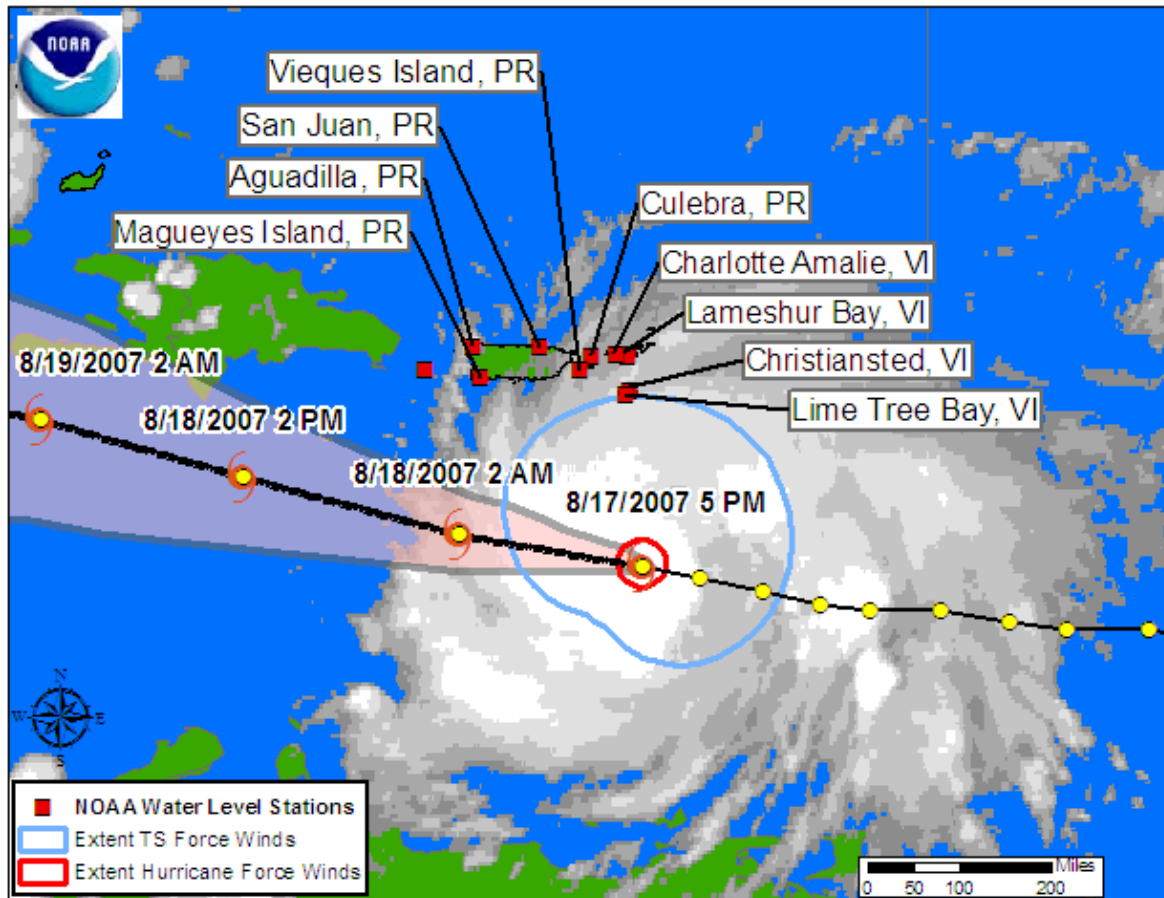


Hurricane DEAN QUICKLOOK  
Posted: 18:30 AST 08/17/2007

**NOAA and NOAA Partnership Stations Relative to the Storm**



**Storm Analysis**

NOS water levels are elevated at southern Puerto Rico and associated islands stations and at the U.S. Virgin Islands stations. Barometric pressure (sea level pressure) is falling and wind speeds are slightly increasing.

Water level observations as of 8/17/2007 18:30 AST:

Christiansted Harbor, St Croix, VI is ~0.42 ft (0.13 m) above predicted. Next high tide is 08/18/2007 Sat 16:19 AST at 0.6 ft (0.18 m) above MLLW.

Lime Tree Bay, VI is ~0.46 ft (0.14 m) above predicted. Next high tide is 08/17/2007 Fri 20:13 AST at 0.61 ft (0.19 m) above predicted.

Lameshur Bay, St. Johns, VI is ~0.49 ft (0.15 m) above predicted. Next high tide is 08/18/2007 Sat 00:00 AST at 0.5 ft (0.15 m) above MLLW.

Charlotte Amalie, VI is ~ 0.34 ft (0.10 m) above predicted. Next high tide is 08/17/2007 Fri 22:32 AST at 0.6 ft (0.18 m) above MLLW.

Culebra, PR is ~ 0.29 ft (0.09 m) above predicted. Next high tide is 08/18/2007 Sat 00:00 at 0.78 ft (0.24 m) above MLLW.

Vieques Island, PR is ~0.52 ft (0.16 m) above predicted. Next high tide is 08/17/2007 Fri 22:00 PM AST at 0.51 ft above MLLW. Aguadilla, PR Next high tide is 08/18/2007 Sat 23:00 AST at 1.04 ft (0.32 m) above MLLW.

Magueyes Island, PR is ~0.38 ft (0.12 m) above predicted. Next high tide is 08/17/2007 Fri 07:54 AST at 0.6 ft (0.18) above MLLW.

San Juan, PR is ~0.03 ft (0.00 m) above predicted. Next high tide is 08/17/2007 Fri 23:55 AST at 1.2 ft (0.37 m) above MLLW.

Aguadilla, PR is ~ 0.35 ft (0.01 m) above predicted. Next high tide is 08/17/2007 Fri 20:00 AST at 0.52 ft (0.16) above MLLW.

Water level and meteorological plots are updated automatically. For additional data, please see [www.tidesandcurrents.noaa.gov](http://www.tidesandcurrents.noaa.gov). For more information on the Storm QUICKLOOK product, please see [www.tidesandcurrents.noaa.gov/quicklook.shtml](http://www.tidesandcurrents.noaa.gov/quicklook.shtml)

**SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION at 1700 AST FRI AUG 17 2007**

**A TROPICAL STORM WARNING REMAINS IN EFFECT FOR THE U.S. VIRGIN ISLANDS AND PUERTO RICO.**

**FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.**

**AT 500 PM AST...2100Z...THE CENTER OF HURRICANE DEAN WAS LOCATED WEST OR ABOUT 840 MILES EAST-SOUTHEAST OF KINGSTON JAMAICA AND ABOUT 260 MILES SOUTH-SOUTHEAST OF SAN JUAN PUERTO RICO.**

**DEAN IS MOVING TOWARD THE WEST NEAR 21 MPH. THIS MOTION IS EXPECTED TO CONTINUE THROUGH SATURDAY WITH A GRADUAL DECREASE IN FORWARD SPEED.**

**ON THIS TRACK...THE CORE OF THE HURRICANE WILL BE MOVING WELL SOUTH OF PUERTO RICO AND THE DOMINICAN REPUBLIC TONIGHT AND SATURDAY.**

**MAXIMUM SUSTAINED WINDS ARE NEAR 125 MPH WITH HIGHER GUSTS.**

**DEAN IS A CATEGORY THREE HURRICANE ON THE SAFFIR-SIMPSON SCALE. SOME STRENGTHENING IS FORECAST DURING THE NEXT 24 HOURS.**

**HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 30 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 185 MILES.**

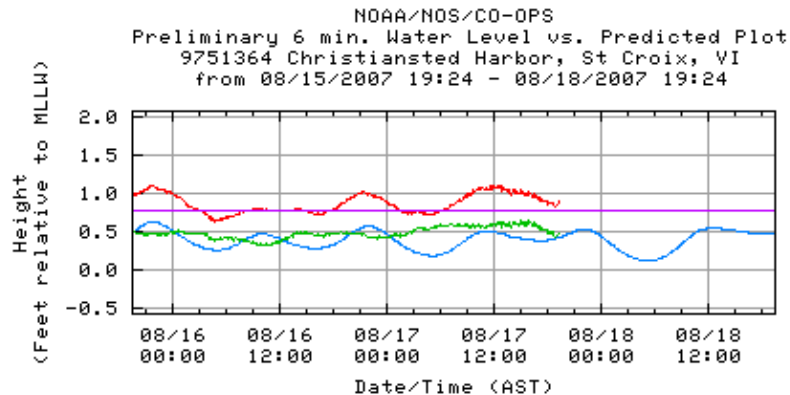
**ESTIMATED MINIMUM CENTRAL PRESSURE IS 961 MB.**

**STORM TOTAL RAINFALL AMOUNTS OF 1 TO 2 INCHES CAN BE EXPECTED FROM DEAN OVER PUERTO RICO...THE DOMINICAN REPUBLIC AND HAITI WITH MAXIMUM AMOUNTS UP TO 5 INCHES POSSIBLE. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUDSLIDES.**

For the purpose of timely release, data contained within this QUICKLOOK have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Christiansted Harbor, St Croix - Water Level](#), [Lime Tree Bay - Winds](#), [Lameshur Bay, St. Johns - Water Level](#), [Charlotte Amalie - Water Level](#), [Vieques Island - Water Level](#), [Magueyes Island - Winds](#), [San Juan - Water Level](#), [San Juan - Barometric](#), [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Barometric](#), [Lameshur Bay, St. Johns - Barometric](#), [Culebra - Water Level](#), [Magueyes Island - Water Level](#), [Magueyes Island - Barometric](#), [San Juan - Winds](#), [Aguadilla - Water Level](#),

**Christiansted Harbor, St Croix, VI - [Station Map](#) [Return to List](#)**



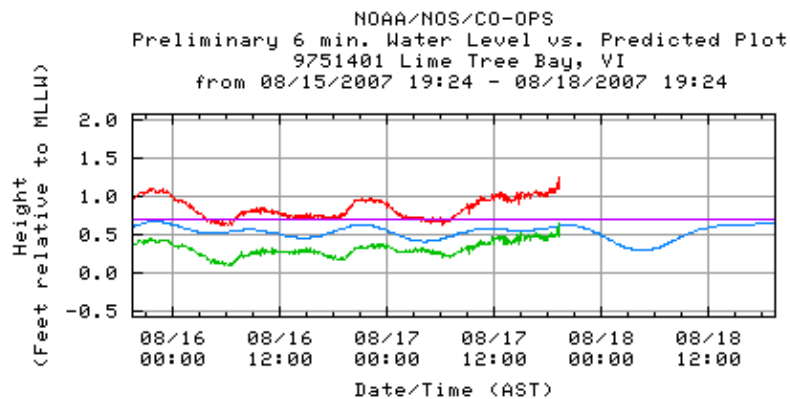
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/17/2007 19:12 (AST)

Relative to **MLLW**: **Observed: 0.90 ft. Predicted: 0.42 ft. Residual: 0.48 ft.**

Historical Maximum Water Level: n/a

**Lime Tree Bay, VI - [Station Map](#) [Return to List](#)**



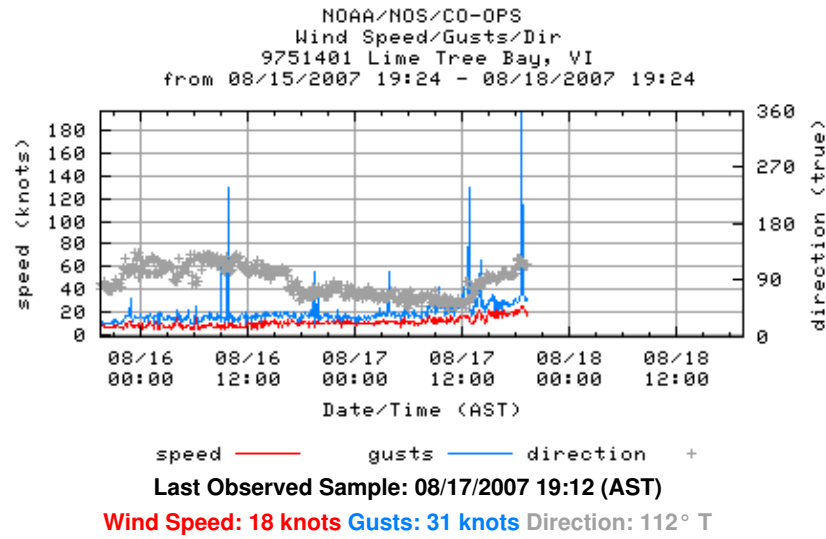
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/17/2007 19:12 (AST)

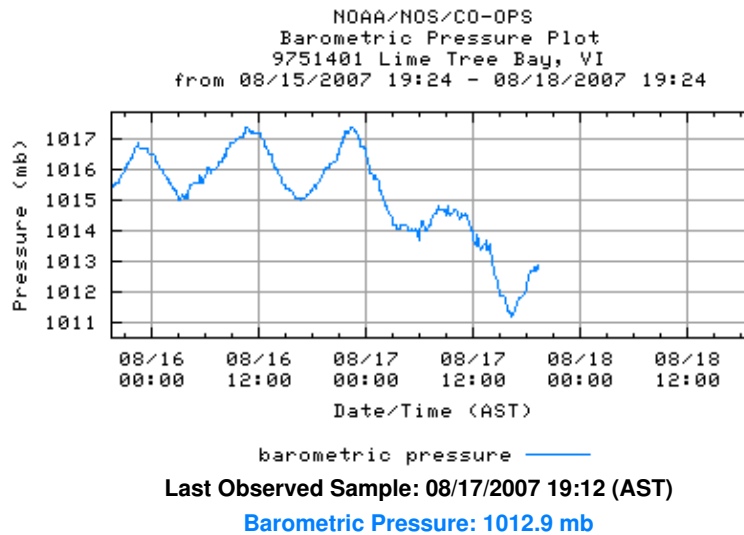
Relative to **MLLW**: **Observed: 1.26 ft. Predicted: 0.61 ft. Residual: 0.65 ft.**

Historical Maximum Water Level: 11/17/1999, 1.88 ft. above **MHHW**

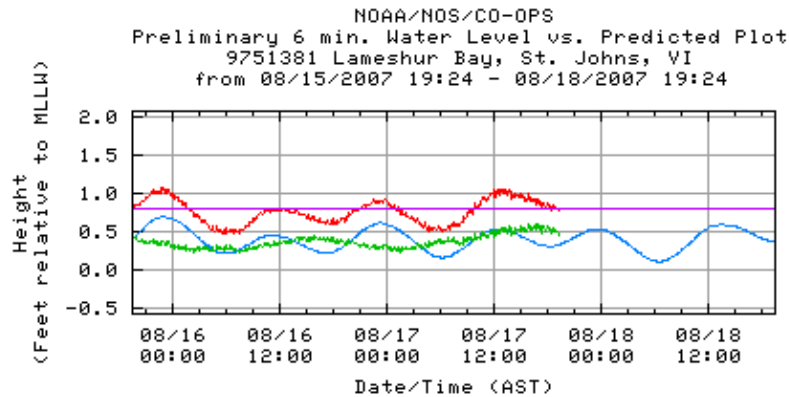
**Lime Tree Bay, VI - Station Map** [Return to List](#)



**Lime Tree Bay, VI - Station Map** [Return to List](#)

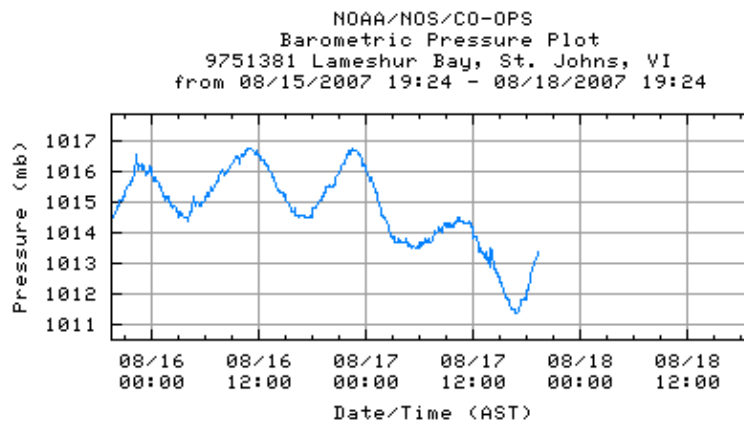


**Lameshur Bay, St. Johns, VI - Station Map** [Return to List](#)



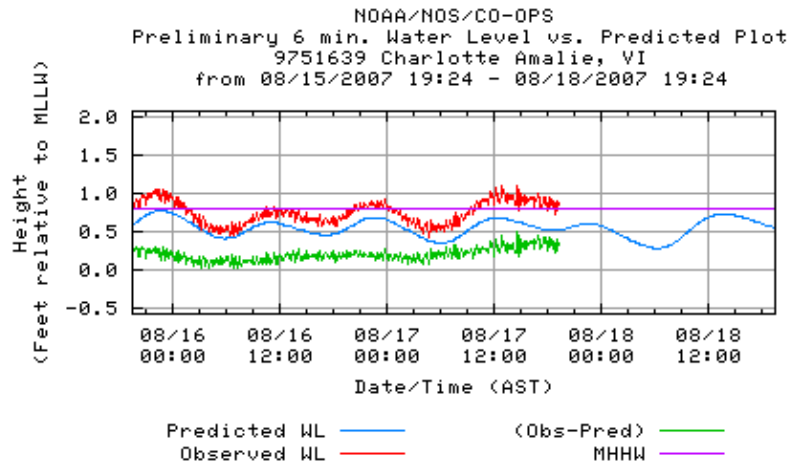
Last Observed Sample: 08/17/2007 19:12 (AST)  
Relative to **MLLW**: **Observed: 0.77 ft. Predicted: 0.32 ft. Residual: 0.45 ft.**  
Historical Maximum Water Level: n/a

**Lameshur Bay, St. Johns, VI - Station Map** [Return to List](#)



Last Observed Sample: 08/17/2007 19:12 (AST)  
**Barometric Pressure: 1013.4 mb**

**Charlotte Amalie, VI - Station Map** [Return to List](#)

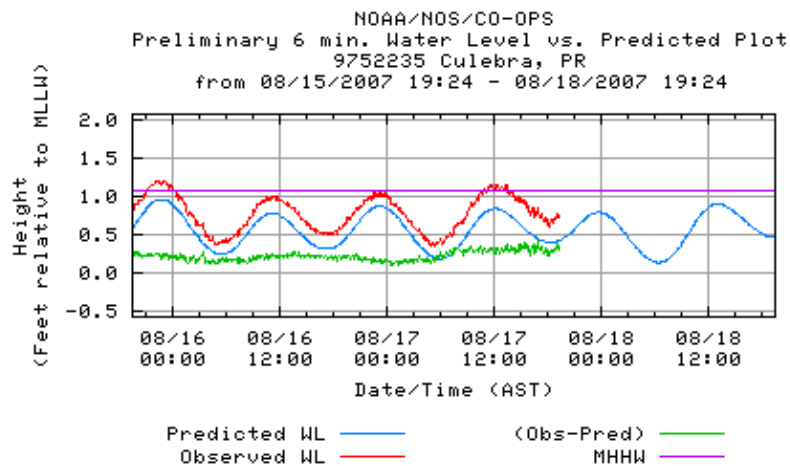


Last Observed Sample: 08/17/2007 19:12 (AST)

Relative to **MLLW**: **Observed: 0.85 ft. Predicted: 0.52 ft. Residual: 0.33 ft.**

Historical Maximum Water Level: 09/16/1995, 2.93 ft. above **MHHW**

**Culebra, PR - Station Map** [Return to List](#)

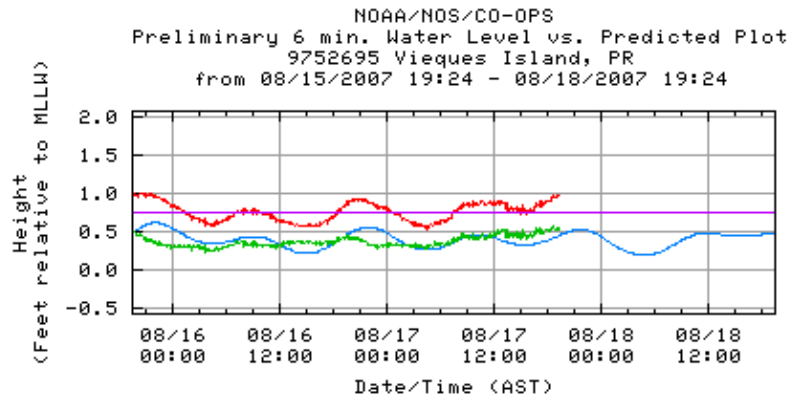


Last Observed Sample: 08/17/2007 19:12 (AST)

Relative to **MLLW**: **Observed: 0.75 ft. Predicted: 0.41 ft. Residual: 0.34 ft.**

Historical Maximum Water Level: n/a

**Vieques Island, PR - Station Map** [Return to List](#)



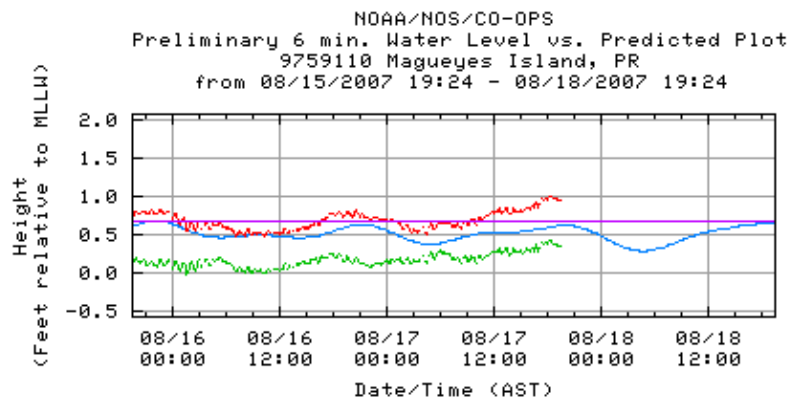
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/17/2007 19:12 (AST)

Relative to **MLLW**: **Observed: 0.98 ft. Predicted: 0.44 ft. Residual: 0.54 ft.**

Historical Maximum Water Level: n/a

**Magueyes Island, PR - Station Map** [Return to List](#)



Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

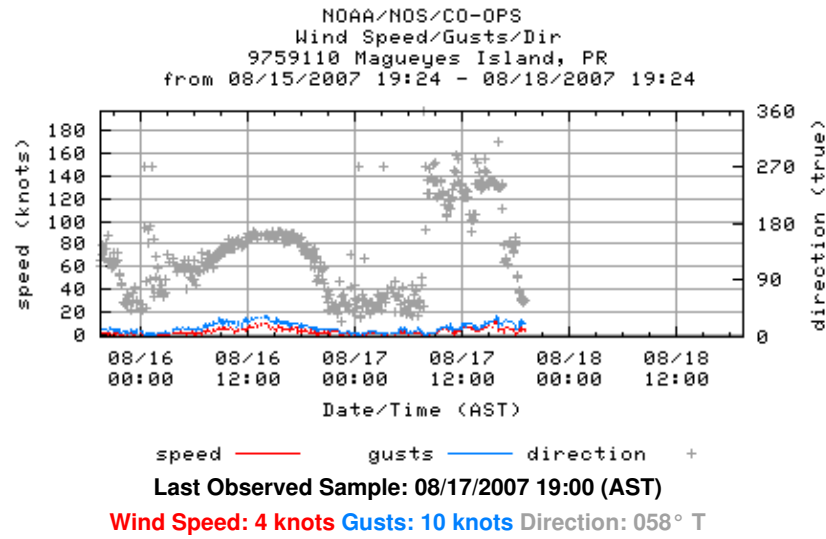
Last Observed Sample: 08/17/2007 19:18 (AST)

Relative to **MLLW**: **Observed: 0.95 ft. Predicted: 0.61 ft. Residual: 0.34 ft.**

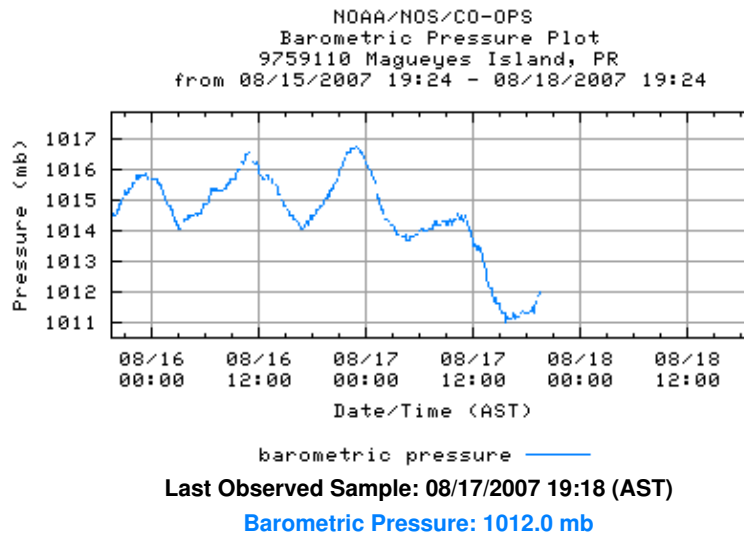
Historical Maximum Water Level: 09/22/1998, 1.6 ft. above **MHHW**



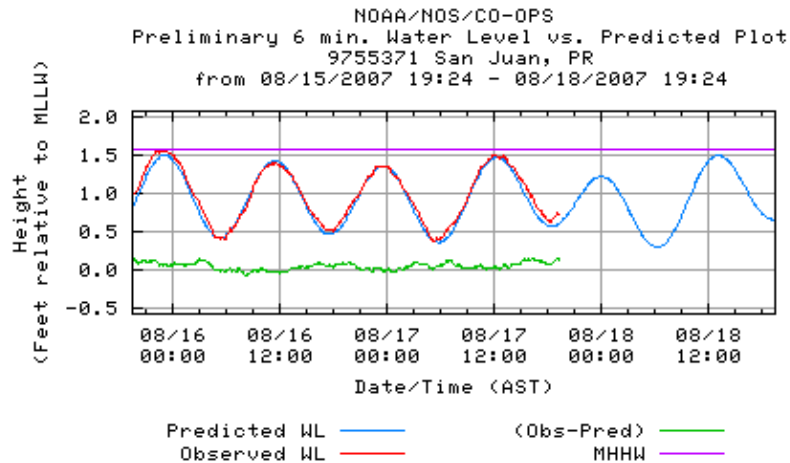
**Magueyes Island, PR - Station Map** [Return to List](#)



**Magueyes Island, PR - Station Map** [Return to List](#)



**San Juan, PR - Station Map** [Return to List](#)

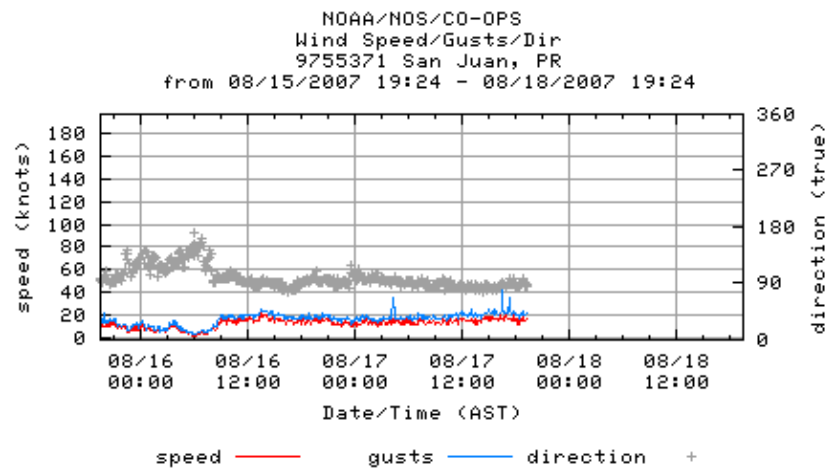


Last Observed Sample: 08/17/2007 19:12 (AST)

Relative to **MLLW**: **Observed: 0.73 ft. Predicted: 0.60 ft. Residual: 0.13 ft.**

Historical Maximum Water Level: 09/21/1998, 1.21 ft. above **MHHW**

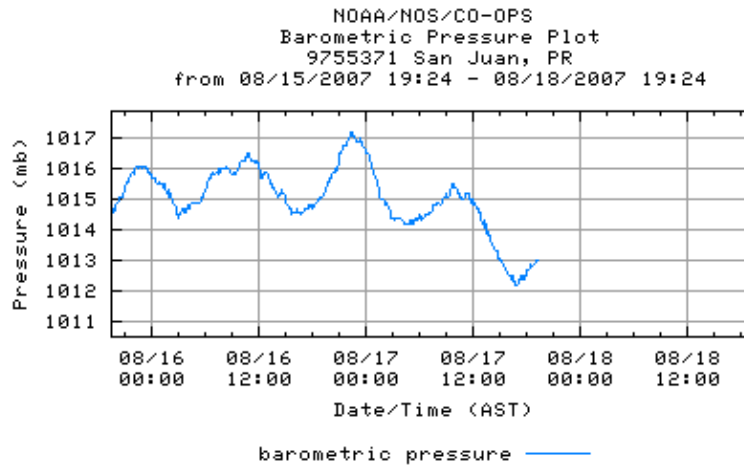
**San Juan, PR - Station Map** [Return to List](#)



Last Observed Sample: 08/17/2007 19:12 (AST)

**Wind Speed: 18 knots Gusts: 22 knots Direction: 087° T**

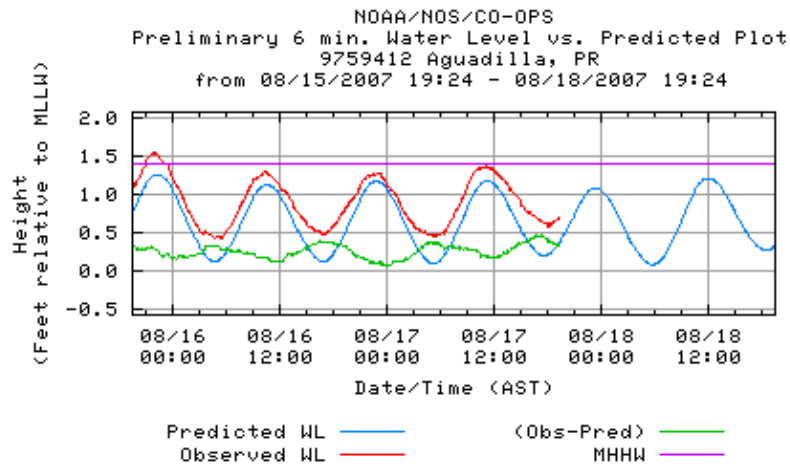
**San Juan, PR - Station Map** [Return to List](#)



Last Observed Sample: 08/17/2007 19:12 (AST)

Barometric Pressure: 1013.0 mb

**Aguadilla, PR - Station Map** [Return to List](#)



Last Observed Sample: 08/17/2007 19:12 (AST)

Relative to **MLLW**: Observed: 0.68 ft. Predicted: 0.36 ft. Residual: 0.32 ft.

Historical Maximum Water Level: n/a

## Hurricane DEAN QUICKLOOK, POSTED 18:30 AST 08/17/2007

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce